

## Level 1 Validation Certificate

Audit Year: FY 2019-20



This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

*This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.*

Call Date: 10/21/2020

### Water Supplier

|                        |   |
|------------------------|---|
| Supplier Name:         | City of Antioch   |
| Supplier Participants: | Ron Colefield, Shaun Connelly, Tim Coley,<br>Brandy Brooks, Matt Taylor |

### Key Audit Metrics

|  |                       |
|--|-----------------------|
| Data Validity Score:   | 60                    |
| ILI:   | 0.16                  |
| Real Loss:   | 2.48 gal / conn / day |
| Apparent Loss:   | 4.81 gal / conn / day |
| Non-Revenue Water as Percent of<br>Cost of Operating System: | 3.8%                  |

### Validator

|                           |  |
|---------------------------|--|
| Validator:                | Colin Stief<br>Water Systems Optimization                                    |
| Validator Qualifications: | Water Audit Validator Certificate from<br>the AWWA California Nevada Section |

### Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

## Level 1 Validation – Water Supplier Confirmation

This document confirms participation in, and endorsement of the Level 1 Validation as completed.

*This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.*

Water Supplier Name: Antioch, City of

Water Supplier Public Water System ID: 0710001

Water Audit Period: FY2019-2020

### Water Audit & Water Loss Improvement Steps

*Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.*

- Implemented year round systemwide valve turning program: **The program accurately records detailed valve information, ensures valve reliability in the event of an emergency, allows staff the ability to immediately isolate water lines for main flushing and for main breaks, extends valve life and results in less staff overtime in dealing with emergency repairs.**

### Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print): Shaun Connelly

Executive Position: Water Distribution Superintendent

Signature:



Date: 10-28-20